

**IN THE CLAIMS**

Please amend claims 67-72 by rewriting the same to the following:

--67. (Twice Amended)      A method of recording data on an optical disk having a diameter less than 140 mm and a recording area divided into a lead-in area, a program area and a lead-out area, said method comprising the steps of providing user information for recording in a plurality of sectors in user track regions; providing table of contents (TOC) information for recording in a plurality of sectors in at least one TOC track, said TOC information including addresses of respective start sectors, each identifying a start sector of a respective user track; encoding both said user information and said TOC information in a long distance error correction code having at least eight parity symbols; modulating the encoded user and TOC information; recording the modulated, encoded TOC information in said at least one TOC track in said lead-in area; and recording the modulated, encoded user information in said user track regions in said program area with a track pitch in the range between 0.646  $\mu\text{m}$  and 1.05  $\mu\text{m}$  and with a linear density in the range between 0.237  $\mu\text{m}$  per bit and 0.387  $\mu\text{m}$  per bit,

--68. (Twice Amended)      Apparatus for recording data on an optical disk having a diameter less than 140 mm and a recording area divided into a lead-in area, a program area and a lead-out area, said apparatus comprising: input means for providing user information for recording in a plurality of sectors in user track regions and table of contents (TOC) information for recording in a plurality of sectors in at least one TOC track, said TOC information including addresses of respective start sectors, each identifying a start sector of a respective user track; encoding means for encoding both said user information and said TOC information in a long distance error correction code having at least eight parity symbols; modular means for modulating the encoded user and TOC information; and recording means for

recording the modulated, encoded TOC information in said at least one TOC track in said lead-in area and the modulated, encoded user information in said user track regions in said program area with a track pitch in the range between 0.646  $\mu\text{m}$  and 1.05  $\mu\text{m}$  and with a linear density in the range between 0.237  $\mu\text{m}$  per bit and 0.387  $\mu\text{m}$  per bit.-

--69. (Twice Amended)      A method of recording data on an optical disk having a diameter less than 140 mm and a recording area divided into a lead-in area, a program area and a lead-out area, said method comprising the steps of: providing user information for recording in a plurality of sectors in user track regions; providing table of contents (TOC) information for recording in a plurality of sectors in at least one TOC track, said TOC information including addresses of respective start sectors, each identifying a start sector of a respective user track; encoding both said user information and said TOC information in a long distance error correction code having at least eight parity symbols; modulating the encoded user and TOC information; recording the modulated, encoded TOC information in said at least one TOC track in said lead-in area; and recording the modulated, encoded user information in said user track regions in said program area with a track pitch in the range between 0.7 $\mu\text{m}$  and 0.9  $\mu\text{m}$ .-

--70. (Twice Amended)      Apparatus for recording data on an optical disk having a diameter less than 140 mm and a recording area divided into a lead-in area, a program area and a lead-out area, said apparatus comprising: input means for providing user information for recording in a plurality of sectors in user track regions and table of contents (TOC) information for recording in a plurality of sectors in at least one TOC track, said TOC information including addresses of respective start sectors, each identifying a start sector of a respective user track; encoding means for encoding both said user information and said TOC

information in a long distance error correction code having at least eight parity symbols; modular means for modulating the encoded user and TOC information; and recording means for recording the modulated, encoded TOC information in said at least one TOC track in said lead-in area and the modulated, encoded user information in said user track regions in said program area with a track pitch in the range between 0.7  $\mu\text{m}$  and 0.9  $\mu\text{m}$ .

--71. (Twice Amended)      A method of recording data on an optical disk having a diameter less than 140 mm and a recording area divided into a lead-in area, a program area and a lead-out area, said method comprising the steps of: providing user information for recording in a plurality of sectors in user track regions; providing table of contents (TOC) information for recording in a plurality of sectors in at least one TOC track, said TOC information including addresses of respective start sectors, each identifying a start sector of a respective user track; encoding both said user information and said TOC information in a long distance error correction code having at least eight parity symbols; modulating the encoded user and TOC information; recording the modulated, encoded TOC information in said at least one TOC track in said lead-in area; and recording the modulated, encoded user information in said user track regions in said program area with a track pitch in the range between 0.646  $\mu\text{m}$  and 1.05  $\mu\text{m}$ , wherein said optical disk has a linear velocity in the range of 3.3 m to 5.3 m per second during a playback operation.--

--72. (Twice Amended)      Apparatus for recording data on an optical disk having a diameter less than 140 mm and a recording area divided into a lead-in area, a program area and a lead-out area, said apparatus comprising: input means for providing user information for recording in a plurality of sectors in user track regions and table of contents (TOC) information for recording in a plurality of sectors in at least one TOC track, said TOC